

CLAIMS

- 1/ A low-current outlet comprising:
an outlet base (2) provided with contact pins (25)
to which a plug can be connected; and
a rear cap (1) that can be mounted on the rear of
the outlet base (2), which cap (1), on being fixed to the
base, establishes the electrical contact between the
conductor wires (31, 32) of a connection cable (3) and
the contact pins (25) of the base (2), the cap (1) being
provided with wire-pair guides (11, 12) making it
possible to position the pairs of wires (31, 32) in three
dimensions so that they are connected electrically to the
contact pins (25) on fixing the cap (1) to the base (2);
said low-current outlet being characterized in that
each wire-pair guide makes an angle such as to form an
edge (13) on which the respective wire forms a locking
fold.
- 2/ A low-current outlet according to claim 1, in which
each wire guide (11, 12) serves to guide one pair of
wires, said guides being disposed in a polygonal
geometrical configuration.
- 3/ A low-current outlet according to claim 1, in which
each wire-pair guide comprises a common guide duct (11)
that is common to the pair of wires (31, 32), and two
locking channels (12) for respective ones of the wires of
the pair.
- 4/ A low-current outlet according to claim 3, in which
the common guide ducts (11) extend substantially along
said plug-in axis by passing through the cap, and the
locking channels (12) extend substantially
perpendicularly to said plug-in axis over the front of
the cap, while being open over their lengths.

5/ A low-current outlet according to claim 3 ~~or 4~~, in which the common guide duct (11) and each of the two locking channels (12) make an angle such as to form the edge (13) on which the respective wires form locking folds.

6/ A low-current outlet according to claim 3, ~~4, or 5~~, in which the locking channels (12) are provided with retaining means (120) such as lugs for holding the locked wires (31, 32) in their respective channels (12).

7/ A low-current outlet according to ^{claim 3} ~~any one of claims 3 to 6~~, in which the common guide ducts (11) are open laterally so as to enable the pairs of wires (31, 32) to be inserted laterally into them.

8/ A low-current outlet according to ^{claim 1} ~~any preceding claim~~, in which the wire guides (11, 12) are isolated electromagnetically from one another by a cross-shaped screening device (24) which extends beyond the electrical contact between the wires and the outlet base.

9/ A low-current outlet according to ^{claim 3} ~~any one of claims 3 to 7~~, in which the base (2) is provided with insulation-displacement contacts (21) connected electrically to the contact pins (25), each locking channel (12) is provided with a through housing (14) enabling the insulation-displacement contact (25) to be inserted transversely to the wires (31, 32) locked in their respective channels (12).

10/ A low-current outlet according to ^{claim 1} ~~any preceding claim~~, in which the cap (1) is provided with a drain wire guide (15) that enables the drain wire to be grounded on fixing the cap (1) to the base (2).